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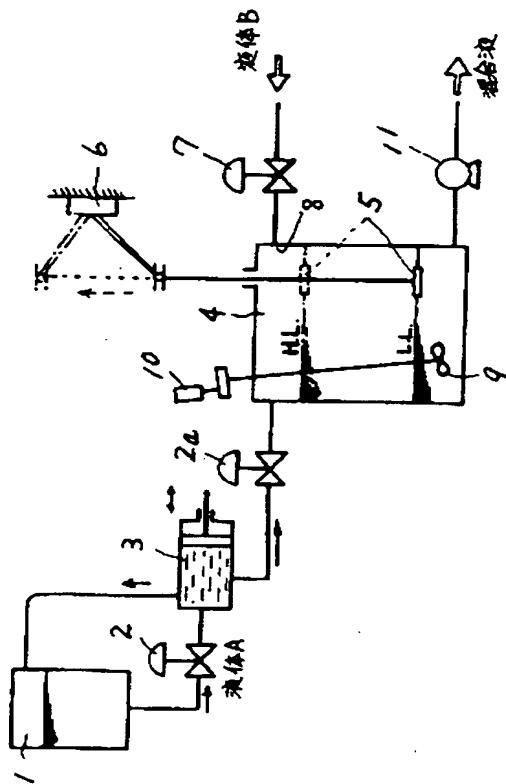
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APPLICANT : SAKAOKA KAZUHIKO;

INVENTOR : SAKAOKA KAZUHIKO;

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TITLE : AUTOMATIC MIXER FOR LIQUIDS



ABSTRACT : PURPOSE: To regulate the dilution rate or mixing ratio of mixed liquids optionally and with high accuracy by a simplified operation by mixing automatically two kinds of liquids, e.g., water and a concentrated stock solution, in a desired concentration and proportion.

CONSTITUTION: Even under the condition that the tank 1 and the quantitatively weighing tank 3 are connected through the automatic valve 2 for the supply of the stock solution A, only a set amount is housed in the quantitatively weighing tank 3. When mixed liquid is drawn out of the pump 11 and the liquid surface of the mixing tank 4 is lowered to the lowest level LL, the limit switch 6 is switched in comply with the lowest position of the float 5, the automatic valve 2 is closed, and at the same time the automatic valve 2a and the automatic valve 7 for the supply of the other liquid B are opened, whereby definite amounts of the liquid A in the quantitatively weighing tank 3 and the other liquid B are supplied to the mixing tank 4. When the liquid surface reaches the highest level HL, the float 5 reaches the highest position and thereby the switch 6 is switched, the valves 2a and 7 are closed, and the valve 2 is opened.

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